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ABSTRACT

Teachers realize that students are most motivated when they are actively involved in their own learning and dealing with the issues of greatest concern to themselves and their communities. The first three chapters of this book present a rationale for multicultural mathematics education, including an overview of issues, features of a multicultural mathematics curriculum, and connections between mathematics and literature. Each chapter in the main body of the book (chapters 4-11) includes suggested classroom activities, a listing of mathematical topics, cultural connections, and links to other subject areas. Topics include: (4) "Counting with Fingers and Words"; (5) "Numerals: Symbols for Numbers"; (6) "Recording and Calculating: Tallies, Knots, and Beads"; (7) "How People Use Numbers"; (8) "Geometry and Measurement in Architecture"; (9) "Geometry, Measurement, and Symmetry in Art"; (10) "Data Analysis and the Culture of the Community"; and (11) "Games of Many Cultures." The final chapter deals with some of the problems teachers may encounter in their attempts to put multicultural mathematics education into practice. The book concludes with a discussion of issues related to implementation. Contains lists of 214 resources, 33 figures, and 99 references. (MKR)

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